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**AXIAL AIR GAP TYPE MOTOR**

Patent Number: JP60249859  
Publication date: 1985-12-10  
Inventor(s): SHIRAKI MANABU; others: 02  
Applicant(s):: YOSHITERU TAKAHASHI  
Requested Patent: ☐ JP60249859  
Application Number: JP19840101720 19840522  
Priority Number(s):  
IPC Classification: H02K29/00  
EC Classification:  
Equivalents:

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**Abstract**

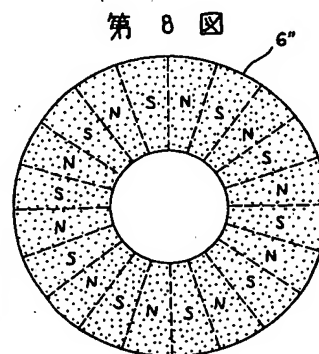
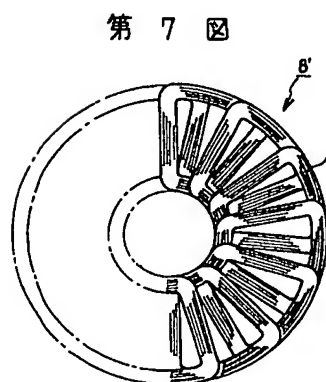
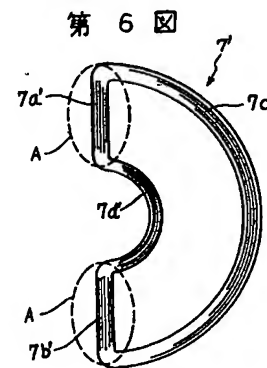
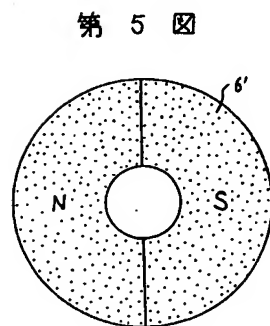
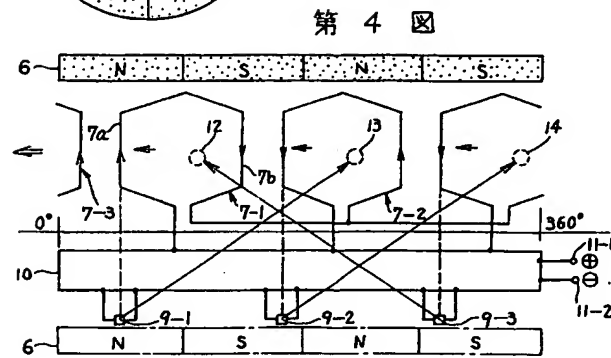
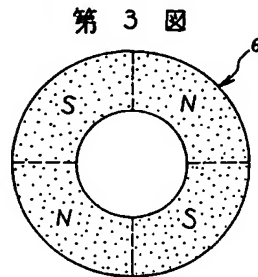
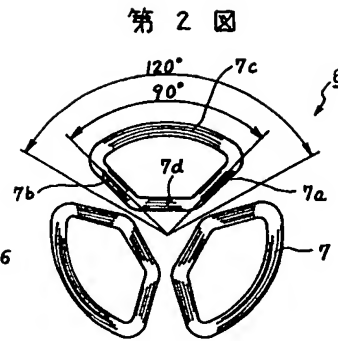
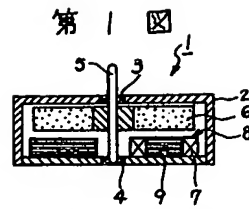
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**PURPOSE:**To obtain a large rotary torque with smooth torque ripple by winding toroidal coils at the positions separated by even number magnification of field pole width on an annular yoke to form a set of armature coils, and providing a plurality of sets of coils not superposed with the armature coil.

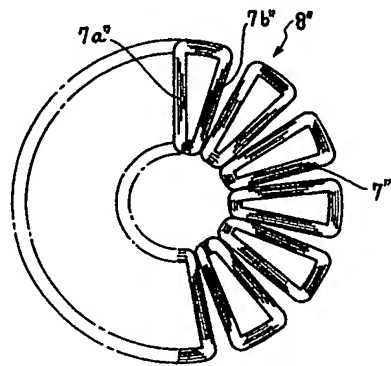
**CONSTITUTION:**An annular stator yoke 43 is provided oppositely to even pole number of field magnets 47 alternately having N and S poles. Leads are wound in many turns in a toroidal shape to form the first conductor unit 49a, conductors are wound in many turns in a toroidal shape at the position separated by even number magnification of the field pole width from there to form the second conductor 49-1, currents flow both conductors in the same direction to form a set of armature coil 49. Further, a plurality of set of such conductor combinations are formed so as not to superpose with the armature coil on the same yoke 43 to form an armature 48.

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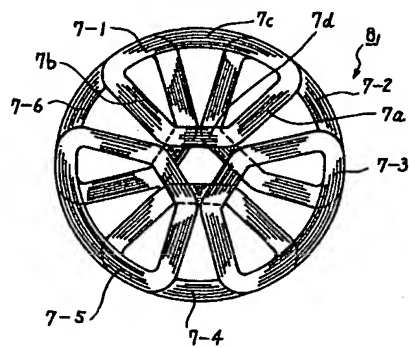
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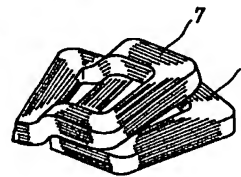
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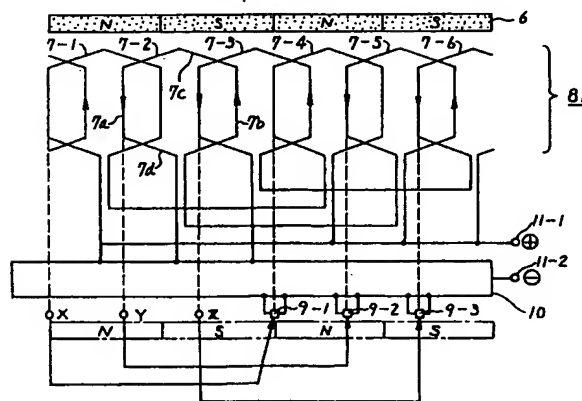
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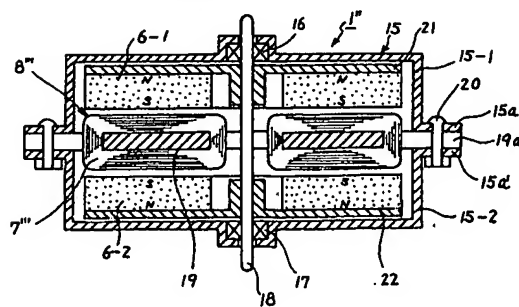
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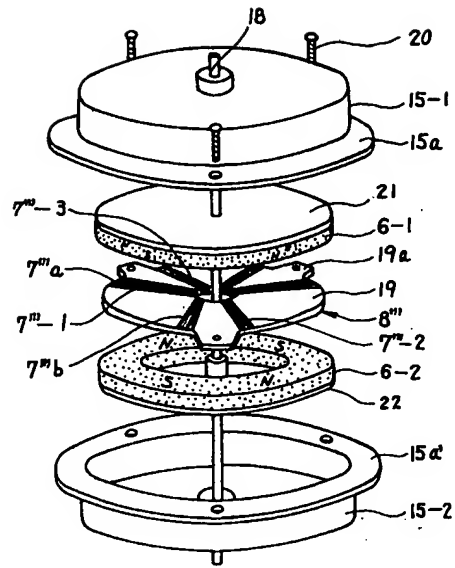
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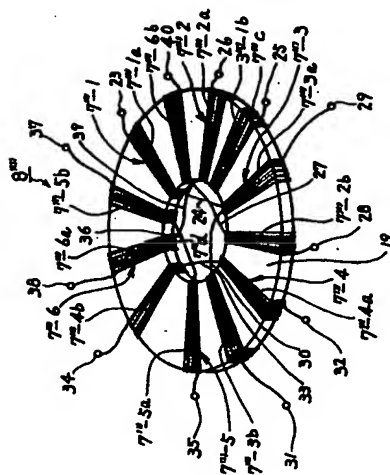
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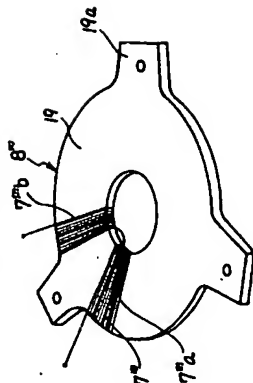
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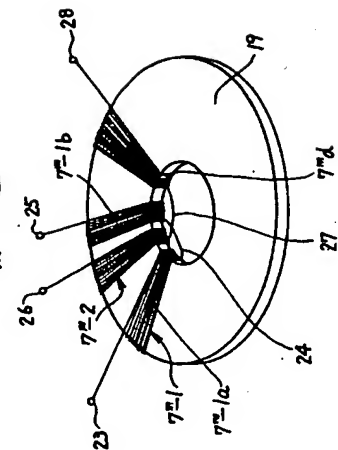
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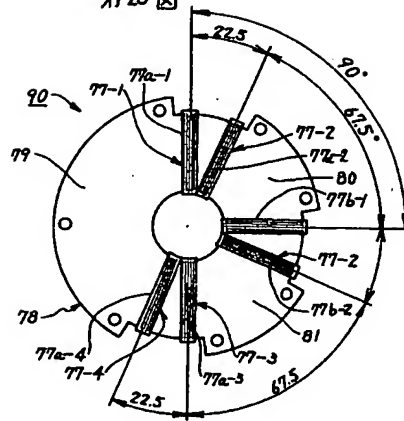


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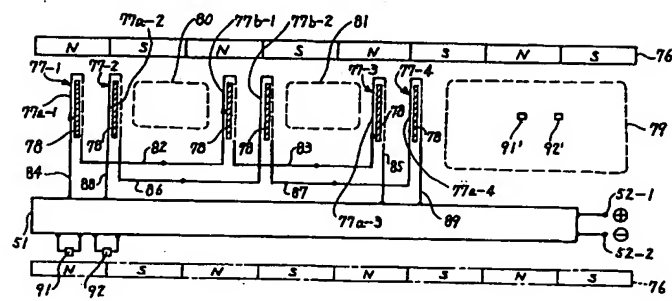




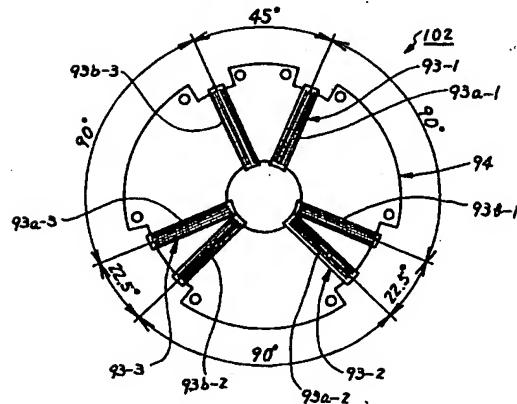
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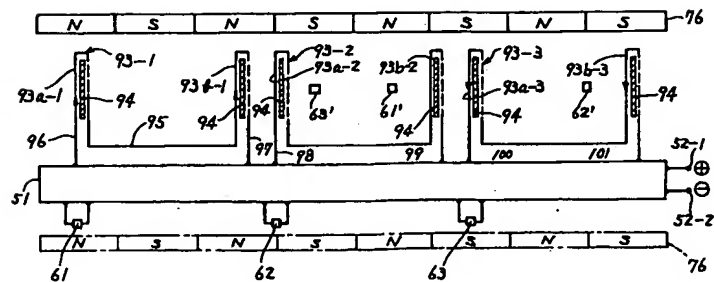
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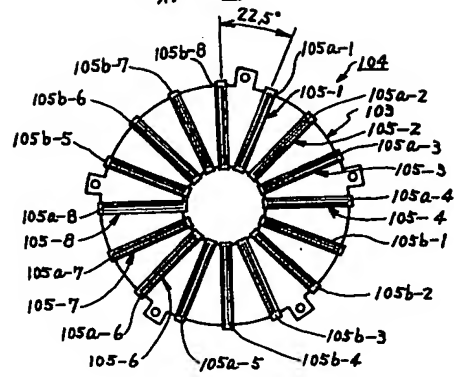
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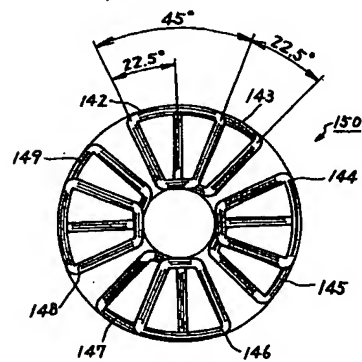
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第29図



第31図



第30図

